

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/551,775
Source: PC/10
Date Processed by STIC: 10/14/05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 10/14/2005

PATENT APPLICATION: US/10/551,775

TIME: 13:26:09

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\10142005\J551775.raw

3 <110> APPLICANT: Hanna, Michelle M
 5 <120> TITLE OF INVENTION: Molecular Detection Systems Utilizing Reiterative
 Oligonucleotide
 6 Synthesis
 8 <130> FILE REFERENCE: 2072.0010009
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/551,775
 C--> 11 <141> CURRENT FILING DATE: 2005-10-03
 13 <150> PRIOR APPLICATION NUMBER: US 10/425,037
 14 <151> PRIOR FILING DATE: 2003-04-29
 16 <160> NUMBER OF SEQ ID NOS: 21
 18 <170> SOFTWARE: PatentIn version 3.3
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 64
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: capture probe
 28 <400> SEQUENCE: 1
 29 atatactggg tctacaaggt ttaagtcaac cagggattga aatataactt ttaaacagag 60
 31 ctgg 64
 34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 30
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: methylated DNA template
 43 <220> FEATURE:
 44 <221> NAME/KEY: misc_feature
 45 <222> LOCATION: (2)..(2)
 46 <223> OTHER INFORMATION: methylation
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature
 50 <222> LOCATION: (10)..(10)
 51 <223> OTHER INFORMATION: methylation
 53 <220> FEATURE:
 54 <221> NAME/KEY: misc_feature
 55 <222> LOCATION: (26)..(26)
 56 <223> OTHER INFORMATION: methylation
 59 <400> SEQUENCE: 2
 60 ccgcccaaac ggggccggag cgactcgtca 30
 63 <210> SEQ ID NO: 3
 64 <211> LENGTH: 30
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial

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68 <220> FEATURE:
69 <223> OTHER INFORMATION: deaminated methylated DNA
72 <220> FEATURE:
73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: (1)..(1)
75 <223> OTHER INFORMATION: n is uracil.
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <222> LOCATION: (4)..(6)
80 <223> OTHER INFORMATION: n is uracil.
82 <220> FEATURE:
83 <221> NAME/KEY: misc_feature
84 <222> LOCATION: (15)..(16)
85 <223> OTHER INFORMATION: n is uracil.
87 <220> FEATURE:
88 <221> NAME/KEY: misc_feature
89 <222> LOCATION: (21)..(21)
90 <223> OTHER INFORMATION: n is uracil.
92 <220> FEATURE:
93 <221> NAME/KEY: misc_feature
94 <222> LOCATION: (24)..(24)
95 <223> OTHER INFORMATION: n is uracil.
97 <220> FEATURE:
98 <221> NAME/KEY: misc_feature
99 <222> LOCATION: (29)..(29)
100 <223> OTHER INFORMATION: n is uracil.
102 <400> SEQUENCE: 3
W--> 103 ncgmnnaaac gggtnnggaa ngantcgtna 30
106 <210> SEQ ID NO: 4
107 <211> LENGTH: 30
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial
111 <220> FEATURE:
112 <223> OTHER INFORMATION: unmethylated DNA template
114 <400> SEQUENCE: 4
115 ccgccccaaac gggtcggag cgactcgtca 30
120 <210> SEQ ID NO: 5
121 <211> LENGTH: 30
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial
125 <220> FEATURE:
126 <223> OTHER INFORMATION: deaminated unmethylated DNA
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1)..(2)
132 <223> OTHER INFORMATION: n is uracil.
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (4)..(6)

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137 <223> OTHER INFORMATION: n is uracil.
 139 <220> FEATURE:
 140 <221> NAME/KEY: misc_feature
 141 <222> LOCATION: (10)..(10)
 142 <223> OTHER INFORMATION: n is uracil.
 144 <220> FEATURE:
 145 <221> NAME/KEY: misc_feature
 146 <222> LOCATION: (15)..(16)
 147 <223> OTHER INFORMATION: n is uracil.
 149 <220> FEATURE:
 150 <221> NAME/KEY: misc_feature
 151 <222> LOCATION: (21)..(21)
 152 <223> OTHER INFORMATION: n is uracil.
 154 <220> FEATURE:
 155 <221> NAME/KEY: misc_feature
 156 <222> LOCATION: (24)..(24)
 157 <223> OTHER INFORMATION: n is uracil.
 159 <220> FEATURE:
 160 <221> NAME/KEY: misc_feature
 161 <222> LOCATION: (26)..(26)
 162 <223> OTHER INFORMATION: n is uracil.
 164 <220> FEATURE:
 165 <221> NAME/KEY: misc_feature
 166 <222> LOCATION: (29)..(29)
 167 <223> OTHER INFORMATION: n is uracil.
 169 <400> SEQUENCE: 5

W--> 170 nngnnnaaan gggtnnggag ngantngtna

30

173 <210> SEQ ID NO: 6
 174 <211> LENGTH: 30
 181 <212> TYPE: DNA
 182 <213> ORGANISM: Artificial
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: deaminated methylated DNA
 188 <220> FEATURE:
 189 <221> NAME/KEY: misc_feature
 190 <222> LOCATION: (1)..(1)
 191 <223> OTHER INFORMATION: n is uracil.
 193 <220> FEATURE:
 194 <221> NAME/KEY: misc_feature
 195 <222> LOCATION: (2)..(2)
 196 <223> OTHER INFORMATION: methylation
 198 <220> FEATURE:
 199 <221> NAME/KEY: misc_feature
 200 <222> LOCATION: (4)..(6)
 201 <223> OTHER INFORMATION: n is uracil.
 203 <220> FEATURE:
 204 <221> NAME/KEY: misc_feature
 205 <222> LOCATION: (10)..(10)
 206 <223> OTHER INFORMATION: methylation

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208 <220> FEATURE:
 209 <221> NAME/KEY: misc_feature
 210 <222> LOCATION: (15)..(16) ✓
 211 <223> OTHER INFORMATION: n is uracil.
 213 <220> FEATURE:
 214 <221> NAME/KEY: misc_feature
 215 <222> LOCATION: (24)..(24) ✓
 216 <223> OTHER INFORMATION: n is uracil.
 218 <220> FEATURE:
 219 <221> NAME/KEY: misc_feature
 220 <222> LOCATION: (26)..(26) ✓
 221 <223> OTHER INFORMATION: n is uracil.
 223 <220> FEATURE:
 224 <221> NAME/KEY: misc_feature
 225 <222> LOCATION: (26)..(26)
 226 <223> OTHER INFORMATION: methylation
 228 <220> FEATURE:
 229 <221> NAME/KEY: misc_feature
 230 <222> LOCATION: (29)..(29) ✓
 231 <223> OTHER INFORMATION: n is uracil.
 233 <400> SEQUENCE: 6
 W--> 234 ncgnnnaaac gggtnnggaa cgantngtna 30
 237 <210> SEQ ID NO: 7
 242 <211> LENGTH: 30
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: deaminated unmethylated DNA
 250 <220> FEATURE:
 251 <221> NAME/KEY: misc_feature ✓
 252 <222> LOCATION: (1)..(2)
 253 <223> OTHER INFORMATION: n is uracil.
 255 <220> FEATURE:
 256 <221> NAME/KEY: misc_feature
 257 <222> LOCATION: (4)..(6) ✓
 258 <223> OTHER INFORMATION: n is uracil.
 260 <220> FEATURE:
 261 <221> NAME/KEY: misc_feature
 262 <222> LOCATION: (10)..(10) ✓
 263 <223> OTHER INFORMATION: n is uracil.
 265 <220> FEATURE:
 266 <221> NAME/KEY: misc_feature
 267 <222> LOCATION: (15)..(16) ✓
 268 <223> OTHER INFORMATION: n is uracil.
 270 <220> FEATURE:
 271 <221> NAME/KEY: misc_feature
 272 <222> LOCATION: (21)..(21) ✓
 273 <223> OTHER INFORMATION: n is uracil.
 275 <220> FEATURE:

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Input Set : A:\PTO.RJ.txt

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276 <221> NAME/KEY: misc_feature
 277 <222> LOCATION: (24)..(24)
 278 <223> OTHER INFORMATION: n is uracil.
 280 <220> FEATURE:
 281 <221> NAME/KEY: misc_feature
 282 <222> LOCATION: (26)..(26)
 283 <223> OTHER INFORMATION: n is uracil.
 285 <220> FEATURE:
 286 <221> NAME/KEY: misc_feature
 287 <222> LOCATION: (29)..(29)
 288 <223> OTHER INFORMATION: n is uracil.
 290 <400> SEQUENCE: 7

W--> 291 nngnnnaagn gggtnnggaa ngantngtna

30

294 <210> SEQ ID NO: 8
 295 <211> LENGTH: 30
 296 <212> TYPE: DNA
 297 <213> ORGANISM: Artificial
 303 <220> FEATURE:
 304 <223> OTHER INFORMATION: deaminated target DNA
 307 <220> FEATURE:
 308 <221> NAME/KEY: misc_feature
 309 <222> LOCATION: (1)..(1)
 310 <223> OTHER INFORMATION: n is uracil.
 312 <220> FEATURE:
 313 <221> NAME/KEY: misc_feature
 314 <222> LOCATION: (1)..(1)
 315 <223> OTHER INFORMATION: methylation
 317 <220> FEATURE:
 318 <221> NAME/KEY: misc_feature
 319 <222> LOCATION: (4)..(6)
 320 <223> OTHER INFORMATION: n is uracil.
 322 <220> FEATURE:
 323 <221> NAME/KEY: misc_feature
 324 <222> LOCATION: (9)..(9)
 325 <223> OTHER INFORMATION: methylation
 327 <220> FEATURE:
 328 <221> NAME/KEY: misc_feature
 329 <222> LOCATION: (15)..(16)
 330 <223> OTHER INFORMATION: n is uracil.
 332 <220> FEATURE:
 333 <221> NAME/KEY: misc_feature
 334 <222> LOCATION: (21)..(21)
 335 <223> OTHER INFORMATION: n is uracil.
 337 <220> FEATURE:
 338 <221> NAME/KEY: misc_feature
 339 <222> LOCATION: (24)..(24)
 340 <223> OTHER INFORMATION: n is uracil.
 342 <220> FEATURE:
 343 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/10/551,775

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 1,4,5,6,15,16,21,24,29 ✓
 Seq#:5; N Pos. 1,2,4,5,6,10,15,16,21,24,26,29 ✓
 Seq#:6; N Pos. 1,4,5,6,15,16,24,26,29 ✓
 Seq#:7; N Pos. 1,2,4,5,6,10,15,16,21,24,26,29 ✓
 Seq#:8; N Pos. 1,4,5,6,15,16,21,24,29 ✓
 Seq#:9; N Pos. 10,11,12,13,14,15,16,17,18,19,20,21,22,23
 Seq#:16; N Pos. 1,7,13,19

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,18,19,20,21

VERIFICATION SUMMARY

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Input Set : A:\PTO.RJ.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0